



István E. Markó

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Istvan E. Marko is Professor of the Catholic University of Louvain and Chairman of the European Chemical Society.

Research Interest

Professor Markó's main research interests are in the field of short, efficient and stereocontrolled total synthesis of natural products; He is involved in the development of new methodologies, based on multiple bonds and rings formation. His main research areas also include the study of new organometallic reagents; the anionic polycyclisation reactions; electroorganic synthesis and development of ecological processes. He spent several years in the USA, studying the catalytic asymmetric osmylation of olefins and investigating the biomimetic total synthesis of monoterpene indole alkaloids and binary *Vinca* alkaloids. In his early research carrier he was already involved in the study of syntheses of prostaglandins. As a post doctoral fellow, he investigated the intramolecular keteniminium cycloadditions, as a new route towards prostaglandins.

Biography

Professor, born in Pápa Hungary (1956), B.S., Catholic University of Louvain (1978). Price winner of Concours Universitaire (1979). Ph.D. Fellowship from the *Institut pour l'encouragement de la recherche Scientifique dans l'Industrie et l'Agriculture* (1978-1981). Ph.D. Fellowship from the *Fonds National de la Recherche Scientifique (FNRS)* (1981-1983). Ph.D. Catholic University of Louvain, and Price winner of Prix J.S.Stas 1983. Postdoctoral Fellowship

from the *Fonds National de la Recherche Scientifique (FNRS)* (1983-1985). Postdoctoral Associate Catholic University of Louvain (1983-1985) and Price winner of Prix P. Bruylants (1984). Postdoctoral Fellowship from the *NATO Scientific Research Grant*, (1985-1991) Postdoctoral associate University of Vermont, Burlington, VT, USA (1985-1987). Postdoctoral Associate, Massachusetts Institute of Technology, Cambridge, MA, USA.(1987-1988). Received the R.S.C. Perkin Division Academic Staff Conference Award and the Nuffield Foundation Award to Newly Appointed Science Lecturers (1989). Grade A lecturer (1988-1989) and Grade B lecturer (1990-1993) at the University of Sheffield, UK. Royal Society Parliamentary Grant (1990). Zeneca Fellow (1994-1997). Merck Young Investigator Award (1995), and Merck Fellow (1996-1997). Received the Prix Triennal de la Société Royale de Chimie, Belgium (1996).

At present he is back to Belgium, and is a professor at the Catholic University of Louvain (1993-).

Duties

Professor Markó is member of S.E.R.C.: Asymmetric Synthesis LINK Programme Management Committee, and member of COST: Management and Technical Committees.

He is Industrial Consultant to Glaxo Research Ltd., to Chiroscience Ltd., to Jansen Pharmaceutica and to Merck Sharp and Dohme.

He is Scientific Referee for *Angew. Chemie*, *J. Am. Chem. Soc.*, *JCS Chem. Commun.*, *Chem. Res.*, *JCS Perkin Trans I.*, *J. Org. Chem.*, *Synlett*, *Tetrahedron Assymetry*, *Tetrahedron Letters* and *Tetrahedron*
Prof Markó is Member of the Advisory Board of Perkin Publications, Chairman of the European Chemical Society and Member of the Editorial Board of *ARKIVOC*.

Memberships

Belgian Chemical Society
The Royal Society of Chemistry
Chairman of the European Chemical Society